

Big 10 Week 27 (19-20)

THE Big Ten Standards

Day 1	Division & Operations with Decimals
Day 2	Expressions and the Distributive Property
Day 3	Equations and Area
Day 4	Statistics and Surface Area and Volume
Day 5	Unit Conversions and Operations with Fractions

THE Big Ten Standards Day 1

I can divide multi-digit numbers.

How many boxes are needed if you pack 10,674 cans into boxes that hold 18 cans each?

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I can add, subtract, multiply, and divide decimals.

Evaluate the following...

$$12.25 \div 2\frac{1}{4}$$

THE
Big
Ten
Standards
Day 2

I can write, evaluate, and find equal expressions.

Evaluate the following expression.

$$(4 + 12) - 5^2 \div 5 \times 3$$

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I can use the distributive property to write equal expressions.

Rewrite the expression in simplest form.

$$3x + \frac{1}{3}(6x + 3) - 2x + 5 - 6x - 10$$



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Day 3

I can write and solve one step equations.

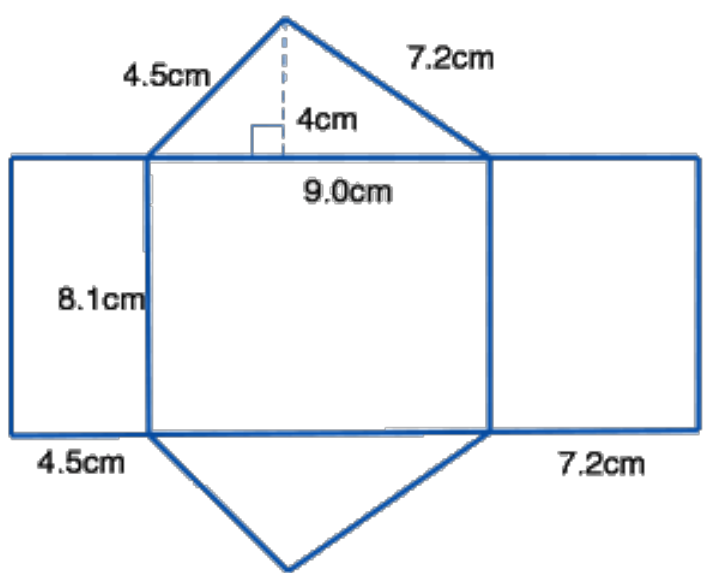
SOLVE the following equation.

$$4\frac{3}{5} + x = 6\frac{1}{4}$$

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I can find the area of complex shapes.

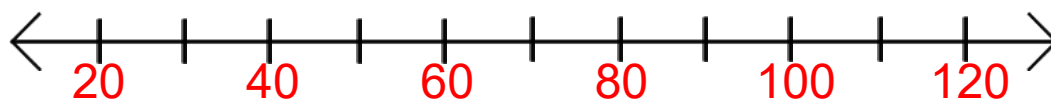
Find the surface area of the net below.



THE
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Day 4

I can find the mean, median, mode, and range given a set of numbers.

Draw a box and whisker plot of the data given below.



Time Spent Watching Television					
20	42	54	70	80	115
30	45	60	70	85	115
35	45	60	75	90	120
35	48	65	75	90	120
40	50	68	75	90	120

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I can find the surface area and volume of 3D figures made of rectangles and triangles.

A tissue box is shaped like a rectangular prism.
Length is 7 in, the width is 2 in, & height is 4 in.

What is the surface area of the box?

If the dimensions of the rectangular prism are doubled, the surface area will increase 2 times.

If the dimensions of the rectangular prism are doubled, the surface area will increase 4 times.

If the dimensions of the rectangular prism are cut in half, the surface area will be $\frac{1}{4}$ of the original.

If the dimensions of the rectangular prism are tripled, the surface area will increase 3 times.

THE
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Day 5

I can convert units of measurement.

Write the unit rate:

\$480 in 6 hours.

_____ = _____

How much money would he make in 8 hours?

How much money would he make in a 40 hour week?

How much would he make in a year working 40 hour weeks?

Big 10 Week 27 (19-20)

I can add, subtract, multiply and divide fractions and mixed numbers.

The dimensions of a case have a length of 6 cm, a width of $3\frac{1}{3}$ cm and a height of 2 cm.

What is the volume of the case?

How many cubes measuring $\frac{1}{3}$ of a cm on all sides could fit in the case?